

ABSTRACT OF THE DISCLOSURE

Autofocus control for a subject in various luminance areas when a plurality of screens obtained by image picking-up the subject on a plurality of exposure conditions are synthesized to generate a wide dynamic range image. A focal voltage selector is provided for selectively outputting one, as a focal voltage to be referred to by an autofocus controller, out of focal voltages detected from a plurality of images different in exposure condition. Thus, autofocus control can be applied to various images of the subject picked up in appropriate signal levels on different exposure conditions. Further, a circuit for normalizing the focal voltages is provided. Thus, the influence of variation in exposure condition on the focal voltages is eliminated so that autofocus control can be carried out independently of exposure conditions.

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